



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc  
 202 W. Main St.  
 Salem II  
 62881  
 ATTN: Tim Priest

**17-13-32 Logan Co KS**

**Campbell 4 17**

Job Ticket: 57666

**DST#: 6**

Test Start: 2014.06.09 @ 16:52:15

## GENERAL INFORMATION:

Formation: **Myrick-Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:29:45  
 Time Test Ended: 01:51:30  
 Interval: **4483.00 ft (KB) To 4535.00 ft (KB) (TVD)**  
 Total Depth: 4535.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3043.00 ft (KB)  
 3033.00 ft (CF)  
 KB to GR/CF: 10.00 ft

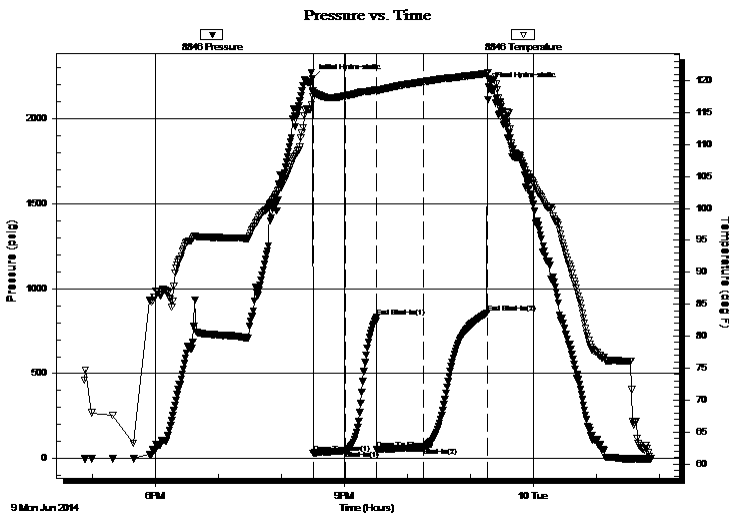
## Serial #: 8846

Inside

Press @ Run Depth: 64.65 psig @ 4488.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.09 End Date: 2014.06.10 Last Calib.: 2014.06.10  
 Start Time: 16:52:15 End Time: 01:51:30 Time On Btm: 2014.06.09 @ 20:29:30  
 Time Off Btm: 2014.06.09 @ 23:16:45

TEST COMMENT: IF: Built to 1 1/2" blow  
 IS: No return blow  
 FF: Built to 1 1/2" blow  
 FS: No return blow

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2235.00         | 118.33       | Initial Hydro-static |
| 1           | 32.02           | 117.41       | Open To Flow (1)     |
| 32          | 46.57           | 117.60       | Shut-In(1)           |
| 61          | 830.56          | 118.57       | End Shut-In(1)       |
| 61          | 54.08           | 118.34       | Open To Flow (2)     |
| 106         | 64.65           | 119.83       | Shut-In(2)           |
| 167         | 856.39          | 121.11       | End Shut-In(2)       |
| 168         | 2188.96         | 120.32       | Final Hydro-static   |

## Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 10.00       | ocm 10%o 90%m | 0.05         |
| 62.00       | ocm 4%o 96%m  | 0.30         |
|             |               |              |
|             |               |              |
|             |               |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (MMcf/d) |
|--|----------------|-----------------|-------------------|
|  |                |                 |                   |

\* Recovery from multiple tests



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**FLUID SUMMARY**

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Salem II  
62881

**Campbell 4 17**

Job Ticket: 57666

**DST#: 6**

ATTN: Tim Priest

Test Start: 2014.06.09 @ 16:52:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbbl |
|--------------|---------------|----------------|
| 10.00        | ocm 10%o 90%m | 0.049          |
| 62.00        | ocm 4%o 96%m  | 0.305          |

Total Length: 72.00 ft      Total Volume: 0.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

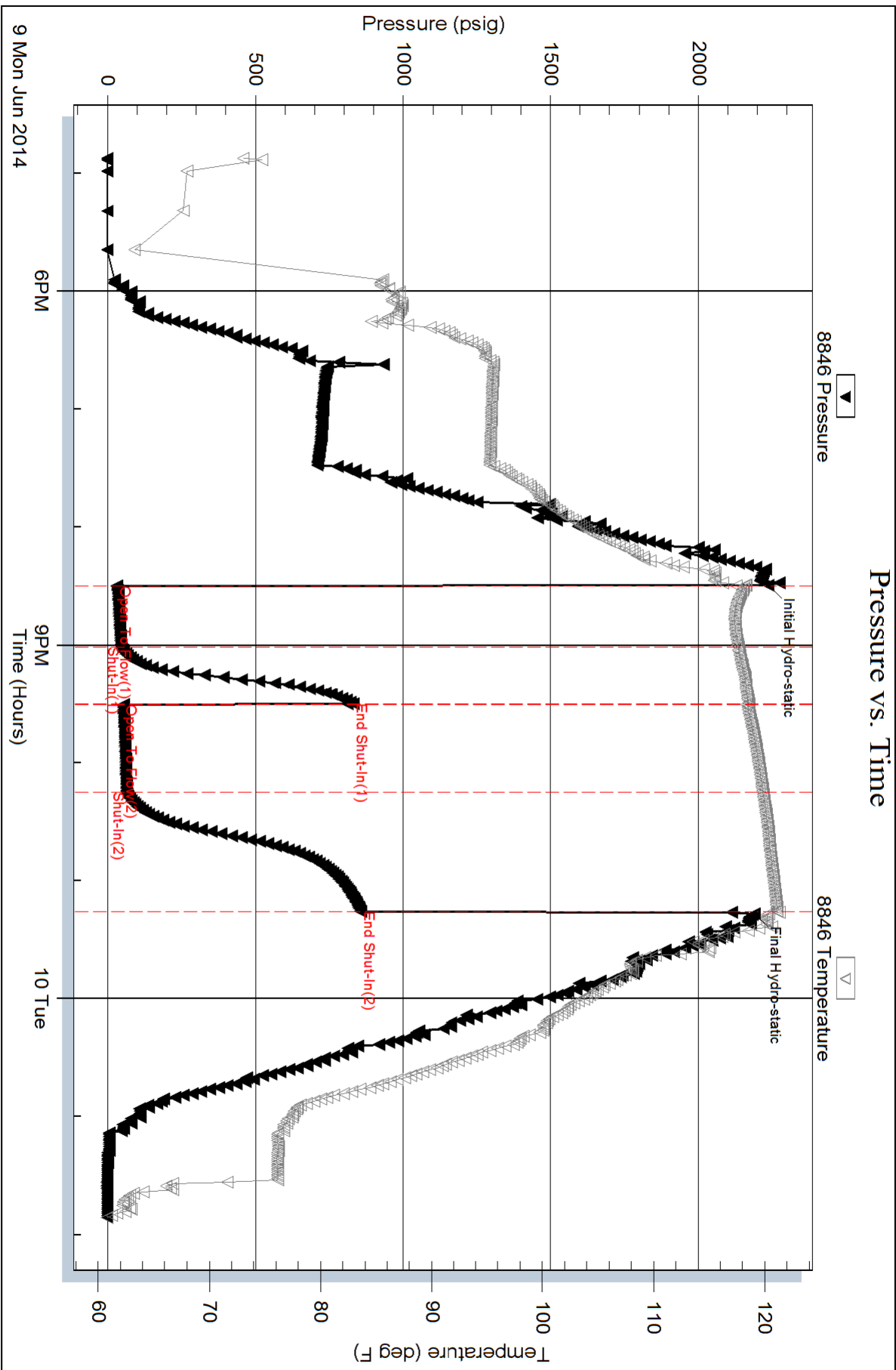
Serial #: 8846

Inside

Shakespeare Oil Co. Inc

Campbell 4 17

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 57666

Printed: 2014.06.10 @ 05:27:30